Air Quality Pollutant Estimates

Gulf Coast Network

	Ozone					Wet Deposition NADP		Visibility Mm-1	Mm-1
Park	2nd_Hi_1hr	#1hr_>_100	4th_Hi_8hr	#8hr_>_85	Sum06_3_Mo	Total_S_kg/Ha	Total_N_kg/Ha	b_{ext}_Clear	b_{ext}_Hazy
Big Thicket N Pres	167	53	98	13	20	3.41	3.29	25	132
Gulf Islands NS	110	6	81	4	20	3.11	2.54	36	174
Jean Lafitte NHP & Pres	117	12	85	5	17	4.17	3.82	34	169
Natchez Trace Parkway	109	10	83	5	20	3.62	3.32	38	200
Palo Alto Battlefield NHS	102	10	75	3	5	2.84	2.81	16	69
Padre Island NS	109	12	79	4	9	2.22	2.23	15	69
San Antonio Missions NHP	125	22	87	7	16	2.07	2.14	13	60
Vicksburg NMP	107	6	81	3	18	3.99	3.87	34	178

Class: refers to an area's designation under the Clean Air Act

Ozone information represents 5-yr average of annual values from 1995-1999

2nd High 1 hr concentration (ppb): indicates peak values for ozone; old standard of 0.12 ppm (120 ppb) was based on 2nd hi,1-hr average

4th high 8 hr concentration (ppb): new ozone standard of 0.08 ppm (80 ppb) is based on 4th hi, 8-hr average

#8 hours>85 ppb: indicates how often the area would be in violation of the new 8-hr standard of 0.08 ppb

hours> 100 ppb: high peaks in ozone concentration, as well as cumulative dose, contribute to vegetation injury

SUM06_3mon (ppm-hrs) - sum of hourly ozone conc≥0.06 ppm (60 ppb) over 3 months (~ growing season), i.e., cumulative ozone dose

NADP information represents 6-yr average of annual values from 1995-2000

NADP deposition (kg/ha/yr): estimate of pollutants deposited to ecosystem by precipitation (NADP-National Atmospheric Deposition Program)

NADP Total S - sulfur from sulfate deposited by precipitation

NADP Total N - inorganic nitrogen (ammonium plus nitrate) deposited by precipitation

Visibility IMPROVE information represents 5-yr average of annual values from 1995-1999

bextClear - measure of light scattering and absorption, i.e., extinction, by particles in the air on an average clear day

bextHazy - measure of light scattering and absorption, i.e., extinction, by particles in the air on an average hazy day